

LISTING OF THE CLAIMS

A complete listing of the claims is provided below, which replaces all previous listings:

1. (Original) A system for treating breast tissue, comprising:
 - a cannula having a proximal end, a distal end, and a first lumen extending between the proximal and distal ends, the distal end configured for insertion into a breast duct such that the first lumen is in fluid communication with the breast duct; and
 - a tissue diagnostic device disposed within the first lumen.
2. (Original) The system of claim 1, wherein the tissue diagnostic device comprises a spectrometer.
3. (Withdrawn) The system of claim 1, further comprising an electrode secured to the distal end of the cannula.
4. (Original) The system of claim 1, further comprising an electrode that is slidably disposed within the first lumen.
5. (Withdrawn) The system of claim 1, further comprising an optical fiber for delivering laser energy, the optical fiber secured to, or slidably disposed within the first lumen of, the cannula.
6. (Withdrawn) The system of claim 1, further comprising an ultrasonic transducer secured to, or slidably disposed within the first lumen of, the cannula.

7. (Original) The system of claim 1, further comprising a media delivery device coupled to the proximal end of the cannula.
8. (Original) The system of claim 1, further comprising an aspirator coupled to the proximal end of the cannula.
9. (Original) The system of claim 1, the cannula having a second lumen extending between the distal and proximal ends, and further comprising an imaging device secured to, or slidably disposed within, the second lumen.
10. (Withdrawn) The system of claim 9, wherein the imaging device comprises a CCD camera secured to the cannula.
11. (Original) The system of claim 9, wherein the imaging device comprises an endoscope.
12. (Withdrawn) The system of claim 9, further comprising an electrode secured to the distal end of the cannula.
13. (Original) The system of claim 1, the cannula having a second lumen extending between the distal and proximal ends, and further comprising a device slidably disposed within the second lumen, the device selected from the group consisting of an electrode, an optical fiber, and an ultrasonic transducer.

14. (Original) The system of claim 1, wherein the cannula is adapted to deliver a substance to the breast duct, the substance selected from the group consisting of a radiation seed, a toxic agent, a therapeutic agent, a necrosing agent, saline, and electrically conductive fluid.

15. (Original) A system for treating breast tissue, comprising:
a cannula having a proximal end, a distal end, and a lumen extending between the proximal and distal ends, the distal end configured for insertion into a breast duct such that the lumen is in fluid communication with the breast duct;
an imaging device for providing imaging functionality to the cannula; and
an energy delivery device secured to, or slidably disposed within the lumen of, the cannula.

16. (Original) The system of claim 15, wherein the energy delivery device comprises an electrode.

17. (Withdrawn) The system of claim 15, wherein the energy delivery device comprises an optical fiber for delivering laser energy.

18. (Withdrawn) The system of claim 15, wherein the energy delivery device comprises an ultrasonic transducer.

19. (Original) The system of claim 15, further comprising a media delivery device coupled to the proximal end of the cannula.

20. (Currently Amended) The system of claim [[21]] 15, the cannula comprising a plurality of lumens extending between the proximal and distal ends, and further comprising an aspirator coupled to the distal end of the cannula and configured to create a suction within one of the lumens.
21. (Original) The system of claim 15, wherein the cannula is adapted to deliver a substance into the breast duct, the substance selected from the group consisting of a radiation seed, a toxic agent, a therapeutic agent, a necrosing agent, saline, and electrically conductive fluid.
22. (Original) A system for treating breast tissue, comprising:
a cannula having a proximal end, a distal end, and a lumen extending between the proximal and distal ends, the distal end configured for insertion into a breast duct such that the lumen is in fluid communication with the breast duct;
an imaging device for providing imaging functionality to the cannula;
a media delivery device coupled to the proximal end of the cannula; and
an aspirator coupled to the distal end of the cannula, the aspirator configured to create a suction within the lumen.
23. (Original) The system of claim 22, wherein the imaging device is secured to, or slidably disposed in the lumen of, the cannula.
24. (Withdrawn) The system of claim 23, wherein the imaging device comprises a CCD camera secured to the cannula.

25. (Original) The system of claim 22, wherein the imaging device comprises an endoscope.
26. (Original) The system of claim 22, wherein the cannula is adapted to deliver a substance into the breast duct, the substance selected from the group consisting of a radiation seed, a toxic agent, a therapeutic agent, a necrosing agent, saline, and electrically conductive fluid.
27. (Original) A system for treating breast tissue, comprising:
a cannula having a proximal end, a distal end, and a first lumen extending between the proximal and distal ends, the distal end configured for insertion into a breast duct such that the first lumen is in fluid communication with the breast duct;
an energy delivery device located at the distal end of the cannula;
a media delivery device coupled to the proximal end of the cannula; and
an aspirator coupled to the distal end of the cannula, the aspirator configured to create a suction within the first lumen.
28. (Original) The system of claim 27, wherein the energy delivery device is secured to the cannula, or slidably disposed within the first lumen.
29. (Original) The system of claim 27, the cannula having a second lumen extending between the proximal and distal ends, wherein the energy delivery device is slidably disposed within the second lumen.

30. (Original) The system of claim 27, wherein the energy delivery device comprises an electrode.

31-61. Canceled.